

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	To be assigned 10177991
				Filing Date	February 17, 2004
				First Named Inventor	Havenga et al.
				Group Art Unit	(presumed) 1635
				Examiner Name	(presumed) B. Whiteman
				Attorney Docket Number	2578-4509.2US
Sheet	1	of	2		

[illegible][illegible]

Examiner Signature	<i>[Signature]</i>	Date Considered	10/1/04
-----------------------	--------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2

of 2

Complete if Known

Application Number	To be assigned
Filing Date	February 17, 2004
First Named Inventor	Havenga et al.
Group Art Unit	(presumed) 1635
Examiner Name	(presumed) B. Whiteman
Attorney Docket Number	2578-4509 2115

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PV		#VERMA, Nature, 1997, pp. 239-42, Vol. 389.	
		#ANDERSON et al., Nature, 1998, pp. 25-30, Vol. 392.	
		#ARAI et al., J. Rheumatol, 1997, pp. 1787-95, Vol. 24.	
		#DOHERTY et al., Osteoarthritis and Cartilage, 1998, pp. 153-60, Vol. 6.	
		#IKEDA et al., The Journal of Rheumatology, 2000, pp. 990-6, Vol. 27.	
		#NIXON et al., Clinical Orthopaedics and Related Research, 2000, pp. S201-213, Vol. 379S.	
		#ARAI et al., Adenovirus Vector-Mediated Gene Transduction to Chondrocytes: In Vitro Evaluation of Therapeutic Efficacy of Transforming Growth Factor-beta1 and Heat Shock Protein 70 Gene Transduction, Journal of Rheumatology, 1997, pp. 1787-95, Vol. 24, No. 9.	
		#ARAI et al., Control of Delivered Gene Expression in Chondrocytes Using Heat Shock Protein 70B Promoter, Journal of Rheumatology, August 1999, pp. 1769-74, Vol. 26, No. 8.	
		#BARAGI et al., Transplantation of Transduced Chondrocytes Protects Articular Cartilage from Interleukin 1-Induced Extracellular Matrix Degradation, Journal of Clinical Investigation, 1995, pp. 2454-60, Vol. 96, No. 5.	
		#DUPREZ et al., Overexpression of BMP-2 and BMP-4 alters the size and shape of developing skeletal elements in the chick limb, Mechanisms of Development, 1996, pp. 145-57, Vol. 57, No. 2.	
PV		#SMITH et al., Genetic Enhancement of Matrix Synthesis By Articular Chondrocytes, Arthritis and Rheumatism, May 2000, pp. 1156-64, Vol. 43, No. 5.	

Examiner
Signature

PV Lh

Date
Considered

10/18/04

#Pursuant to 37 C.F.R. § 1.98(d), copies of the previously identified patents are not being provided since they were previously cited by or submitted to the Office in the following prior application:

Serial No.: _____

Filed: _____

For: _____, which application is being relied upon for an earlier filing date under 35 U.S.C. § 120.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.